



# EO-1: Advanced Visible/Infrared Land Imaging Mission

Enabling More Capable Land Imaging Missions at Reduced Cost

## Mission Highlights

- Demonstrate backward compatibility/continuity with Landsat data
- Co-fly with Landsat-7
- 7-fold reduction in instrument weight/power with Landsat-7 performance
- Autonomous formation flying demonstration

## Technology for Demonstration

- Lightweight stable wide field-of-view optics
- Advanced multispectral VIS/IR detector arrays
- Advanced hyperspectral imaging technologies - wedge filter, miniature grating spectrometer
- Atmospheric corrector
- Fiber optics data bus
- X-Band phased array antenna

